ADAPTIVE GROUPING IN OBJECT RAID

ABSTRACT

5   A method and system for data redundancy, wherein method comprises storing an

object in an object storage device, storing a duplicate of the object in a second object storage

device, converting the object into any of a grouped object Redundant Array of Independent

Disks (RAID) layout and an individual RAID layout upon growth of the object, and

discarding the duplicate object. The step of converting further comprises determining which

10   of the grouped object RAID or individual RAID layout to convert the object into based on a

size of the object being converted. Moreover, the step of converting into a grouped object

RAID layout further comprises selecting a group based on whether the group comprises other

objects similarly sized to the object, wherein the similarly sized objects comprise variably

sized objects.

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